

# Converting Colors

$Yxy(80.7044, 0.4060, 0.4731)$

Have a look what the booklet for  
Yxy(80.7044, 0.4060, 0.4731)  
contains.

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# Color

**Yxy(81.0380, 0.4062, 0.4735)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F4EE55
RGB	244, 238, 85
RGB Percent	96%, 93%, 33%
CMY	0.0432, 0.0666, 0.6663
CMYK	0.00, 0.02, 0.65, 0.04
HSL	58°, 88%, 65%
HSV	58°, 65%, 96%
XYZ	69.5198, 81.0380, 20.5890
YIQ	222.3520, 52.6890, -46.3110

# Conversions

## Conversions Part 2

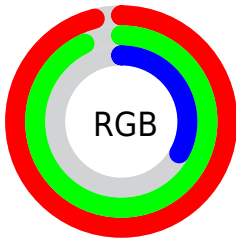
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	91, 244, 85
Decimal	16051797
CIE <sub>Lab</sub>	92.15, -15.66, 71.67
CIE <sub>LCh</sub>	92, 73.359, 102.325
Yxy	81.0380, 0.4062, 0.4735
Android (android.graphics.Color)	4294241877 (0xFFFF4EE55)
YUV	222.3520, -67.7145, 18.9853
Hunter-Lab	90.0211, -19.6883, 49.4544

# Details

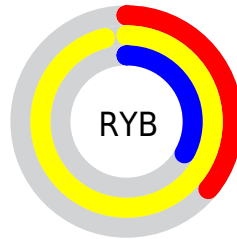
The Yxy color **81.0380, 0.4062, 0.4735** is a light color, and the websafe version is hex **FFFF66**. The color can be described as light muted yellow. A complement of this color would be **15.9572, 0.1873, 0.1255**, and the grayscale version is **73.7756, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7330, 0.3788, 0.4382**, and **43.6867, 0.4191, 0.5003** is the 20% darker color. If you saturate the color by 10%, you get **80.1857, 0.4151, 0.4863**, and if you desaturate by 10%, it is **82.0342, 0.3948, 0.4566**.

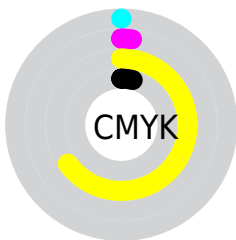
# Distribution



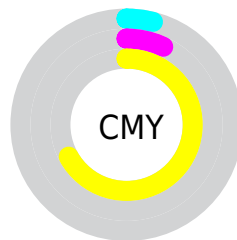
- Red (96%)
- Green (93%)
- Blue (33%)



- Red (36%)
- Yellow (96%)
- Blue (33%)



- Cyan (0%)
- Magenta (2%)
- Yellow (65%)
- Black (4%)




- Cyan (4%)
- Magenta (7%)
- Yellow (67%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 81.0380, 0.4062, 0.4735 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 81.0380, 0.4062, 0.4735 by changing the saturation by 10% instead.




 81.0380, 0.4062,  
0.4735


 81.0380, 0.4062,  
0.4735


498.4241, 0.3690,  
0.4104


 60.5729, 0.4126,  
0.4861

 134.8241, 0.3949,  
0.4530

 43.8806, 0.4192,  
0.5004


 168.9139, 0.3901,  
0.4445

 30.5766, 0.4257,  
0.5166


 208.3141, 0.3857,  
0.4371

 20.2767, 0.4310,  
0.5345

 253.4090, 0.3817,  
0.4305

 12.5963, 0.4379,  
0.5590

304.5831, 0.3780,  
0.4247

 7.1512, 0.4289,  
0.5711

362.2207, 0.3748,

 3.5568, 0.4131,

0.4194

0.5869

426.7062, 0.3718,  
0.4147

■ 1.4289, 0.3857,  
0.6143

■ 0.2379, 0.0000,  
1.0000

■ 81.0380, 0.4062,  
0.4735

■ 81.0380, 0.4062,  
0.4735

■ 80.1857, 0.4151,  
0.4863

■ 82.0342, 0.3948,  
0.4566

■ 79.4517, 0.4214,  
0.4948


■ 83.1754, 0.3814,  
0.4363


■ 78.8219, 0.4250,  
0.4989


■ 84.4762, 0.3667,  
0.4137


■ 78.5397, 0.4261,  
0.4998


■ 85.9467, 0.3513,  
0.3897

 87.5959, 0.3356,  
0.3652

 89.4322, 0.3203,  
0.3411

 91.4074, 0.3062,  
0.3186

 91.9616, 0.3062,  
0.3196

 92.5186, 0.3061,  
0.3205

# Harmonies

## Analogous

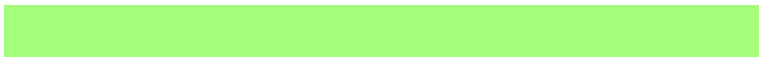
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.0380, 0.4634, 0.4238



81.0380, 0.4062, 0.4735



81.0380, 0.3285, 0.4837

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



81.0380, 0.4062, 0.4735



81.0380, 0.1699, 0.2591



81.0380, 0.3638, 0.2517

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



81.0380, 0.4062, 0.4735



15.9572, 0.1873, 0.1255

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



81.0380, 0.2778, 0.2161



81.0380, 0.4062, 0.4735



81.0380, 0.1765, 0.2150

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.0380, 0.4062, 0.4735



81.0380, 0.1944, 0.3375



81.0380, 0.2125, 0.2025



81.0380, 0.4428, 0.3033



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.0380, 0.4062, 0.4735



81.0380, 0.2754, 0.4545



81.0380, 0.2125, 0.2025



81.0380, 0.3341, 0.2377

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



81.0418, 0.4062, 0.4735



95.9234, 0.3433, 0.3773



26.5307, 0.5168, 0.3223



20.4232, 0.3477, 0.3842



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.0418, 0.4062, 0.4735



88.3916, 0.4173, 0.4894



74.1709, 0.3512, 0.5097



19.2005, 0.3269, 0.3515



42.7612, 0.4260, 0.4999



3.7910, 0.4251, 0.5007



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



15.9572, 0.1873, 0.1255



11.6823, 0.1668, 0.0906



20.1676, 0.2365, 0.1428



16.0264, 0.2979, 0.3054



3.7034, 0.1507, 0.0623

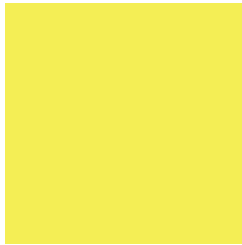


0.3600, 0.1523, 0.0682



# Previews

## White Background



This preview shows how the Yxy color 81.0380, 0.4062, 0.4735 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

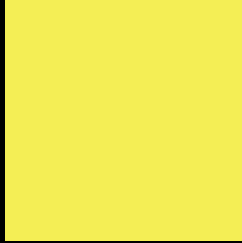
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 81.0380, 0.4062, 0.4735 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 81.0380, 0.4062, 0.4735**

## **Background**



This preview shows how black text looks on a background with the Yxy color 81.0380, 0.4062, 0.4735.



This preview shows how white text looks on a background with the Yxy color 81.0380, 0.4062, 0.4735.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

81.0380, 0.4062, 0.4735

### Protanopia

81.0701, 0.3966, 0.4333

### Deuteranopia

80.6869, 0.3542, 0.3625



## Tritanopia

80.8033, 0.3246, 0.3142

# Trichromacy



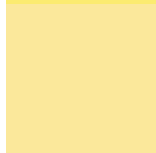
## Original Color

81.0380, 0.4062, 0.4735



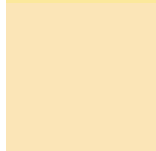
## Protanomaly

81.0957, 0.4008, 0.4488



## Deuteranomaly

80.5890, 0.3770, 0.4075



## Tritanomaly

79.9667, 0.3592, 0.3763

# Monochromacy



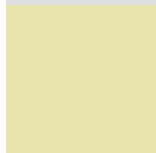
## Original Color

81.0380, 0.4062, 0.4735



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

75.2884, 0.3512, 0.3899

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 81.0380, 0.4062, 0.4735 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(244, 238, 85)` looks like.

```
.text, #text, p{  
    color:rgb(244, 238, 85)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(244, 238, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 238, 85) }
```

## Border

The CSS property to change the border of an element to Yxy 81.0380, 0.4062, 0.4735 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(244, 238, 85) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(244, 238, 85) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(244, 238, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 238, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 238, 85);  
box-shadow:4px 4px 4px 4px rgb(244, 238,  
85) }
```



# Background

The CSS property to change the background color of an element to Yxy 81.0380, 0.4062, 0.4735 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 238, 85) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(244,  
238, 85) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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